

CLAIM AMENDMENTS

1 -- 15. (canceled)

1 16. (currently amended) In combination with [[a]] two
2 relatively angularly positionable parts of a machining apparatus,
3 an angularly indexable mount comprising:

4 a first coupling having

5 an outer ring element centered on an axis and having
6 an axially directed outer array of a
7 predetermined number of outer teeth and
8 a fixed inner element surrounded by the outer
9 element, the outer element being angularly
10 displaceable relative to the inner element
11 about the axis, the inner element having an
12 inner array of a predetermined number of inner
13 teeth directed axially in the same direction as
14 the teeth of the outer ring element, one of the
15 elements being connected to one of the parts
16 and the other of the elements being connected
17 to the [[the]] other of the parts, the number
18 of outer teeth of the outer element varying by
19 more than one from the number of inner teeth of
20 the inner element; and

21 a second coupling centered on the axis and having

22 an annular outer array of outer teeth engageable
23 axially with and complementary to the array of
24 outer teeth of the first coupling and
25 an inner array of inner teeth engageable axially
26 with and complementary to the array of inner
27 teeth of the first coupling, the arrays of the
28 second coupling being fixed angularly relative
29 to each other, the number of teeth of the
30 second-coupling outer array varying by more
31 than one from the number of teeth of the
32 second-coupling inner array, [[; and]] means
33 for shifting the couplings being shiftable
34 relative to each other between a disengaged
35 position with the teeth of the first coupling
36 out of engagement with the teeth of the second
37 coupling and a work position with the outer
38 teeth of the first and second couplings
39 elements meshing and the inner teeth of the
40 first and second couplings meshing such that a
41 minimum resolution is produced from a
42 difference between difference of more than one
43 tooth of the outer and inner teeth of the first
44 coupling.

1 17. (previously presented) The mount defined in claim
2 16 wherein the teeth are uniformly angularly distributed in the
3 respective arrays.

1 18. (currently amended) The mount defined in claim 16
2 wherein the ~~means can displace~~ second coupling is displaceable with
3 respect to the first coupling by an amount proportional to the
4 relative displacement of the two elements of the first coupling on
5 change of relative position of the machine and tool head attached
6 to the first-coupling elements.

19. (canceled)